

Application No.: 10/564,172  
Paper Dated: August 24, 2007  
Attorney Docket No. 4587-045810

2625  
JF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. **O P E M** : 10/564,172  
Applicant(s) **AUG 27 2007** : Mirko Lehmann  
Filed : January 10, 2006  
Title : "Method for Structuring a Substrate Surface"  
Art Unit : 2625  
Examiner : Not Yet Assigned  
Confirmation No. : 7988  
Customer No. : 28289

*PATENT & TRADEMARK OFFICE*

**INFORMATION DISCLOSURE STATEMENT**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicant hereby submits this Information Disclosure Statement, which includes a completed Form PTO/SB/08a and one (1) copy of each foreign patent document cited therein. English language abstracts of the foreign references are also enclosed.

This application is the U.S. National Phase of PCT Application No. PCT/EP2004/007073, filed June 30, 2004. The corresponding International Search Report, dated September 11, 2004, cites DE 19946252 and DE 19604953. An Office Action in the corresponding German application, dated July 11, 2003, cites the first seven references on Form PTO/SB/08A and U.S. 2003/0196830.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 24, 2007.

Pauline J. Meyles  
(Typed Name of Person Mailing Paper)

*Pauline J. Meyles*  
Signature

08/24/2007  
Date

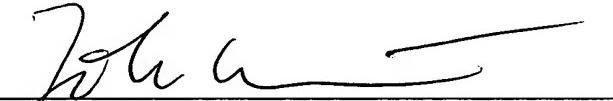
Application No.: 10/564,172  
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Attorney Docket No. 4587-045810

The remaining references cited on Form PTO/SB/08A are cited in the specification and are relevant for the reasons discussed therein. T. Vo-Dinh et al., "DNA Biochip Using a Phototransistor Integrated Circuit," Analytical Chemistry, Volume 71, No. 2, p. 358 ff. (January 15, 1999); German Application No. DE 19959346; Eung Ju Oh et al., Electrochemical Synthesis and Characterization of Stretchable Polypyrrole Films, Molecular Crystals and Liquid Crystals, Volume 371, pp. 243 ff. (2001); and Akol, Y., et al., Current Progress in Synthesis of Polyacetylene Films, Synthetic Metals, Volume 84, No. 1-3, p. 307 ff. (January 1, 1997) are also enclosed herewith.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due for the filing of this Information Disclosure Statement, as it is being submitted before the mailing date of the first Office Action on the merits. Nevertheless, the Commissioner for Patents and Trademarks is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

THE WEBB LAW FIRM

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PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

<p>Substitute for form 1449A/PTO</p> <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;"><i>(Use as many sheets as necessary)</i></p>				<b><i>Complete if Known</i></b>	
				Application Number	10/564,172
				Filing Date	January 10, 2006
				First Named Inventor	Mirko Lehmann
				Art Unit	2625
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	4587-045810

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	2.	DE 19946252 A1	04-05-2001	Fraunhofer GES Forschung		
	3.	DE 19604953 A1	08-14-1997	Corovin GmbH		
	4.	DE 19959346 A1	06-21-2001	Micronas GmbH		

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	2	<i>Complete if Known</i>
Application Number	10/564,172			
Filing Date	January 10, 2006			
First Named Inventor	Mirko Lehmann			
Art Unit	2625			
Examiner Name	Not Yet Assigned			
Attorney Docket Number	4587-045810			

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	5.	STEPHANIE PERICHON ET AL., Stretchable gold conductors on elastomeric substrates, Article, April 14, 2003, pp. 2404-2406, Vol. 82, Number 15	
	6.	NED BOWDEN ET AL., Nature, Article, May 1998, pp. 146-149, Vol. 393	
	7.	M. MAGHRIBI ET AL., 2 <sup>nd</sup> Annual International IEEE-EMBS Special Topic Conference, Stretchable Micro-Electrode Array, May 2002, pp. 80-83, Poster 149	
	8.	HOU-PU CHOU, ET AL., Proc. Solid-State Sensor and Actuator Workshop, June 1998, pp. 11-14, Hilton Head, SC	
	9.	DENIZ ARMANI, ET AL., PDMS Elastomer Micromachining, Re-Configurable Fluid Circuits, (1999) pp. 222-227, Urbana-Champaign, IL	
	10.	MARK L. ADAMS, ET AL., On-Chip Absorption and Fluorescence Spectroscopy with Polydimethylsiloxane (PDMS) Microfluidic Flow Channels, California Institute of Technology, CA, 2 <sup>nd</sup> Annual International IEEE-EMBS Special Topic Conference, May 2002, Madison, Wisconsin, pp. 369-373, Poster 190	
	11.	B.-N. KIM ET AL., Letters to Nature, Magazine, September 2001, pp. 288-291, Vol. 413, National Institute for Materials Science, Japan	
	12.	T. VO-DINH ET AL., DNA Biochip Using a Phototransistor Integrated Circuit, Magazine, Volume 71, No. 2, p. 358-363, January 1999, Analytical Chemistry	
	13.	EUNG JU OH ET AL., Electrochemical Synthesis and Characterization of Stretchable Polypyrrole Films, Molecular Crystals and Liquid Crystals, 2001, Volume 371, pp. 243-245, Myongji University, Korea	
	14.	AKOL, Y., ET AL., Current Progress in Synthesis of Polyacetylene Films, Article, Synthetic Metals, Volume 84, No. 1-3, pp. 307-310, January 1, 1997, University of Tsukuba, Japan	

Examiner Signature	Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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